Hospira

TECHNICAL SERVICE BULLETIN

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Omni-Flow 4000® and Omni-Flow 4000® Plus Infusion Systems

Volume Accuracy Test

Omni-Flow 4000 Plus Infusion System

Refer to the *Omni-Flow 4000 Plus Infusion System Technical Service Manual* for additional information.

To perform the volume accuracy test, proceed as follows:

1. Attach a 20-gauge needle to the distal end of the patient line.
2. Press [PRIME PATIENT LINE] for line A to prime the patient line and needle. Press [ESCAPE] to return to the base screen.
3. Press [SPECIAL FUNCTION] [9] [ENTER] to clear the IV Flowsheet.
4. Place the needle into a 25 mL graduated cylinder.
5. Enter the following program:
   - Press [SPECIAL FUNCTION] [8]
   - Press [YES/NO] to toggle YES for PREPROGRAM FUNCTION SELECTION. Press [ENTER]
6. Press [INTERMITTENT INFUSION] on line B
   - Set EACH DOSE field to 4 mL. Press [NEXT]. Set for 2 minutes. Press [ENTER]
   - Press [YES/NO] to toggle NO for CALLBACK, SYRINGE, and DILUTION fields. Press [ENTER]
   - Press [ENTER] at start time screen. The base screen displays and line B status indicates DLY
   - Enter the same program for lines C and D. Status for lines B, C, and D indicate DLY on the base screen
7. Enter the following infusion program for line A:
   - Press [SPECIAL FUNCTION] [2]
   - Press [LINE STATUS] for line D to enter D in FLUSH AFTER field. Press [ENTER]
   - Set [FLUSH VOLUME] field to 8 mL. Press [NEXT]. Set for 2 minutes. Press [ENTER]. The base screen displays and line A status indicates OFF
8. Press [RESUME] [ENTER] to begin delivery. Line B begins pumping, followed by line C, then line D, and completes with a flush from line A.
9. Measure the collected volume. Press [IV Flowsheet] and compare the collected volume to IV Flowsheet value. Collected volume should be within ± 1.2 mL of the IV Flowsheet. Press [ENTER].
10. Press [SPECIAL FUNCTION] [3] [ENTER] to cancel flush. Remove the needle from patient line.

Note: The information presented in this Technical Service Bulletin supplements information presented in previously issued System Operating Manuals and Technical Service Manuals. Subsequent versions of these manuals will contain the information presented herein.

Omni-Flow 4000 Infusion System

Refer to the *Omni-Flow 4000 Infusion System Technical Service Manual* for additional information.

To perform the volume accuracy test, proceed as follows:

1. Attach a 20-AWG needle to the distal end of the patient line. Hold the needle over the fluid collection container.
2. Press and hold [PATIENT LINE] on line A to prime the patient line and the 20-AWG needle.
3. Insert the 20-AWG needle into a graduated cylinder. Confirm the graduated cylinder is dry.
4. Press [ESCAPE] to return to the pump status screen.
5. Verify the IV Flowsheet is cleared. If the IV Flowsheet is not cleared, proceed as follows:
   - Press [IV FLOWSHEET], [CLEAR ENTRY], and [NEXT]. Repeat the procedure for each line and total.
   - Press [ENTER].
6. Enter the following program:
   - Press [INTERMITTENT] on line B.
   - Program a 4 mL dose over two minutes (for a rate of 120 mL/hr).
   - Select NO for callback, syringe, and dilution.
   - Press [ENTER] twice.
   - Repeat the same program for line C and line D.
7. Immediately press [SPECIAL FUNCTION] [2]; the flush screen displays as follows:

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FLUSH AFTER _,_,_                (USE STATUS KEYS)
FLUSH BETWEEN _&_,_&_,_&_                 (ENTER)
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   - Press [LINE STATUS] on line D to enter a flush after D. Press [ENTER].

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FLUSH PATIENT LINE WITH LINE A
RATE: 240 ML/HR   VOLUME: 8 ML            (ENTER)
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   - Set a rate of 240 mL/hr with a volume of 8 mL (this will be delivered from line A).
   - Press [ENTER].

   Note: No additional line should be programmed with a flush.
8. Verify the delivery is within ± 1.2 mL from the IV Flowsheet as follows:
   - Measure the volume collected.
   - Press [IV FLOWSHEET] and compare to volume collected.
   - Press [ENTER].
9. Press [SPECIAL FUNCTION] [3] [ENTER] to clear the flush.
10. Press [SPECIAL FUNCTION] [5] [ENTER] to reset all lines.

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